



## DELL OptiPlex 7010 Intel® Core™ i5 i5-3470 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional Mini Tower PC Black

**Brand :** DELL

**Product family:** OptiPlex

**Product code:** 462-3509

**Product name :** 7010

Intel Core i5-3470, 4GB (DDR3), 500GB (HDD), DVD±RW, Intel HD Graphics 2500, Windows 7 Professional (64 bit) / Windows 8 Pro, Intel Q77 Express, 4 x USB 3.0, 6 x USB 2.0, 1 x LAN, 1 x Serial, 1 x VGA, 2 x Display Port, 2 x PS/2, 9.4 kg  
DELL OptiPlex 7010. Processor frequency: 3,2 GHz, Processor family: Intel® Core™ i5, Processor model: i5-3470. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 2500. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 275 W. Chassis type: Mini Tower. Product type: PC



Processor		Performance	
Processor manufacturer *	Intel	Product type *	PC
Processor family *	Intel® Core™ i5	<b>Software</b>	
Processor generation	3rd gen Intel® Core™ i5	Operating system architecture	64-bit
Processor model *	i5-3470	Recovery operating system	Windows 8 Pro
Processor cores	4	Operating system installed *	Windows 7 Professional
Processor threads	4	<b>Processor special features</b>	
Processor boost frequency	3,6 GHz	Intel® Small Business Advantage (Intel® SBA)	✗
Processor frequency *	3,2 GHz	Intel® Wireless Display (Intel® WiDi)	✓
Processor socket	LGA 1155 (Socket H2)	Intel 64	✓
Processor cache	6 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Embedded options available	✗
System bus rate	5 GT/s	Intel® InTru™ 3D Technology	✓
Bus type	DMI	Intel® Insider™	✓
FSB Parity	✗	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor lithography	22 nm	Intel Clear Video Technology	✗
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Core i5-3400 Desktop series	Idle States	✓
Processor codename	Ivy Bridge	Thermal Monitoring Technologies	✓
Thermal Design Power (TDP)	77 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Tcase	67,4 °C	Intel Trusted Execution Technology	✓
PCI Express slots version	3.0	Execute Disable Bit	✓
PCI Express configurations	1x16, 2x8	Intel FDI Technology	✓
Number of processors installed	1	Intel Flex Memory Access	✓
CPU multiplier (bus/core ratio)	32	Intel Fast Memory Access	✓
Maximum internal memory supported by processor	32 GB	Intel Enhanced Halt State	✓
Memory types supported by processor	DDR3 1333/1600	Intel Demand Based Switching	✗
Memory clock speeds supported by processor	1333,1600 MHz		
Memory bandwidth supported by processor (max)	25,6 GB/s		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Maximum internal memory *	16 GB	Processor package size	37.5 mm
Internal memory type	DDR3-SDRAM	Supported instruction sets	AVX, SSE4.1, SSE4.2
Memory layout (slots x size)	1 x 4 GB	CPU configuration (max)	1
Memory slots	4x DIMM	Thermal solution specification	PCG 2011D
Memory clock speed	1600 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels	Dual-channel	Intel Identity Protection Technology version	1,00
Storage		Intel Secure Key Technology version	1,00
Total storage capacity *	500 GB	Intel Virtualization Technology (VT-x)	✓
Storage media *	HDD	Intel TSX-NI version	0,00
Optical drive type *	DVD±RW	Intel Dual Display Capable Technology	✗
Number of storage drives installed	1	Intel Rapid Storage Technology	✗
Number of HDDs installed	1	Processor ARK ID	68316
HDD capacity	500 GB	Intel® Smart Response Technology	✗
HDD interface	SATA	Intel® Rapid Start Technology	✗
Card reader integrated	✓	Intel® Turbo Boost Technology	2.0
Graphics		Intel Smart Connect Technology	✗
On-board graphics card *	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Discrete graphics card model *	Not available	Intel® Quick Sync Video Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel® My WiFi Technology (Intel® MWT)	✗
On-board graphics card model *	Intel® HD Graphics 2500	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card base frequency	650 MHz	Intel® Anti-Theft Technology (Intel® AT)	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Conflict-Free processor	✓
Number of displays supported (on-board graphics)	3	Power	
On-board graphics card ID	0x152	Power supply *	275 W
Network		Power supply input voltage	100 - 240 V
Ethernet LAN *	✓	Power supply input frequency	50 - 60 Hz
Ethernet LAN data rates	10,100,1000 Mbit/s	Certificates	
Cabling technology	10/100/1000Base-T(X)	Compliance certificates	RoHS
Ports & interfaces		Certification	CECP, WEEE
USB 2.0 ports quantity *	6	Sustainability	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Sustainability certificates	ENERGY STAR
VGA (D-Sub) ports quantity	1	Weight & dimensions	
DVI port	✗	Width *	175 mm
DisplayPorts quantity	2	Depth *	417 mm
PS/2 ports quantity	2	Height *	360 mm
Ethernet LAN (RJ-45) ports	1	Weight *	9,4 kg
Microphone in	✓	Packaging content	
Headphone outputs	1	Mouse included	✗
Line-out	✓	Keyboard included	✗
Line-in	✓	Cables included	AC
Serial ports quantity	1	Manual	✓
Expansion slots		AC adapter included	✓
PCI Express x1 slots	1	Display	
PCI Express x16 slots	2	Display included *	✗
PCI slots	1	Other features	
Design		Optical drives quantity	1
Chassis type *	Mini Tower		
Placement supported	Vertical		
Water cooling system	✗		
Number of 3.5" bays	2		
Number of 5.25" bays	2		
Product colour *	Black		

Performance		Other features	
Motherboard chipset	Intel® Q77 Express	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Audio system	HD		
Password protection	✓		
Password protection type	BIOS		

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